

Natural
Resources
Forum



Natural Resources Forum

Editorial Staff: BENZION VARON, *Editor*
WALTER SMITH, *Associate Editor*
VALERIY OVCHARENKO
MARC SCHIEBER
KEITH WALTON

Consulting Editors: CHARALAMBOS CONSTANTINOU
ENZO FANO
DANIEL HARKIN
JOSEPH SHAW

Editorial Advisory Board: VLADIMIR BAUM, *Chairman*

Natural Resources Forum

Volume 1



D. Reidel Publishing Company

Dordrecht - Holland / Boston - U.S.A.

All Rights Reserved

Copyright © 1976 by United Nations, New York, U.S.A.

No part of the material protected by this copyright notice may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, recording or by any informational storage and retrieval system, without written permission from the copyright owner

Printed in The Netherlands

and title page? Imperfect volumes delay return of binding. - 1888.

M 6

BOUND BY THE NATIONAL LIBRARY BINDERY CO. OF GA.

THE UNIVERSITY OF CHICAGO
 LIBRARY
 1000 S. MICHIGAN AVE.
 CHICAGO, ILL. 60607
 TEL. 773-936-5000
 FAX 773-936-5001
 WWW.CHICAGO.EDU

TABLE OF CONTENTS

Introducing the Forum	3
Introducing this Issue	5, 91, 201, 315
Editorial	359, 377, 403

ARTICLES

BOKHARI, S. M. H. / Institutional Arrangements for Planning and Management of Water Resources in Pakistan: A Case Study	131
BOWER, BLAIR T. / Water Resources Management and the Choice of Technology	119
BRATCHENKO, B. F. / Basis for the Development of the Coal Industry of the U.S.S.R.	47
BURTON, IAN / Safe Water for All	95
CARMAN, JOHN / United Nations Mineral Exploration Activities: 1960-1976	317
FALLEN BAILEY, D. G. / The Bio-Gas System: Serious Energy Source or Environmental Fad?	55
FANO, ENZO / Beyond the United Nations Water Conference	379
FITZSIMMONS, ALLAN K., <i>see</i> McIntosh, T. L.	
GOVETT, G. J. S., <i>see</i> Hale, W. E. <i>et al.</i>	
GOVETT, M. H., <i>see</i> Hale W. E. <i>et al.</i>	
HALE, W. E., G.J.S. GOVETT, and M. H. Govett / Post-Graduate Training and Research in Applied Science in Developing Countries: The Case of Mineral Exploration	227
HARKIN, DANIEL A. / Systematic Mineral Exploration	29
HILMY, JOSEPH, <i>see</i> Takeuchi, K. <i>et al.</i>	
KRISHNAMURTHY, K. V. / The Challenge of Africa's Water Development	369
McINTOSH, TERRY L. and ALLAN K. FITZSIMMONS / Frontier Areas, Resources, and Developing Nations: The Case of Guatemala	347
MAGEED, YAHIA ABDEL / United Nations Water Conference: Message from the Secretary-General	93
MARKOV, I. A. and V. SKLIAROV / Co-operation between CMEA-Member Countries over Mineral Resources	337
MIKESELL, RAYMOND F. / Rate of Exploitation of Exhaustible Resources: The Case of an Export Economy	39
OLENDE, SHAM ARUNGU / Africa Takes a Look at its Energy Problems and Projects	361
OVCHARENKO, VALERIY A. / Prospects for More Effective Utilization of Fuel through MHD	63

RADETZKI, MARIAN / Long-Term Copper Production Options of the Developing Countries	145
RONA, PETER A. / Plate Tectonics and Mineral Exploration	17
SKLIAROV, V. <i>see</i> I. A. Markov	
SMITH, WALTER / The Presentation of Spatial Information	203
STYRIKOVICH, M. A. / The Long-Range Energy Perspective	251
TAKEUCHI, KENJI, GERHARD E. THIEBACH, and JOSEPH HILMY / Investment Requirements in the Non-Fuel Mineral Sector in the Developing Countries	263
THIEBACH, GERHARD E. <i>see</i> Takeuchi, K. <i>et al.</i>	
WALTON, KEITH, Satellite Remote Sensing of Natural Resources: Some Issues to be Resolved	215
WIENER, AARON / Rural Water Management in the Developing Countries	111
ZORN, STEPHEN A. / New Developments in Third World Mining Agreements	239
ZWARTENDYK, JAN / Problems in Interpretation of Data on Mineral Resources Production and Consumption	7
REPORT	
Report of an Expert Group: A Recommended Basic Format for the Classification of International Data on Crude Oil and Natural Gas Reserves and Resources	387
REVIEW ARTICLES	
FRANSSEN, HERMAN T. / United States Energy Projections and Options	157
ODUNTON, NII ALLOTEY / Metal Resources of Deep Sea Nodules	285
TILTON, JOHN E. / The Continuing Debate Over the Exhaustion of Nonfuel Mineral Resources	167
WAELEDE, THOMAS W. / Lifting the Veil from Transnational Contracts - A Review of Recent Literature	277
BOOK REVIEWS	299, 405
BOOKS RECEIVED	411
CORRESPONDENCE	195, 307
NOTES	77, 175
SELECTED DOCUMENTS	187
SELECTED PUBLICATIONS	87, 413
SUBJECT INDEX	415

5
6
7
8
1
8
5
4
9
7
7
7
5
7
7
5
1
7
5
7
3
5